***Git add .* |** adds all files to commit queue

***Git status* |** current status of files in directory

***git commit -m “textbox”* |** schedule change to push queue with message textbox

***git remote add origin*** [***https://github.com/lrkellar/courseratest.git***](https://github.com/lrkellar/courseratest.git) **|**adds new repository directory

***git push -u origin master*** | push changes in this branch of the repository

***git push*****|** pushes changes

**Browser-sync commands**

***Browser-sync start –server –directory –files “\*”* |** opens a local browser window that updates when the .html file is saved over locally

**HTML Tags**

***<br>* |** line break, no closing tag

***<hr>* |** horizontal rule, no closing tag

***<meta charset=”utf-8”>* |**Defines the character type to be displayed, has no closing tag

Attributes must be defined in the opening tag

All html docs must start with ***<!doctype html>***

Example

**<!doctype html>**

**<html>**

**<head>**

**<meta charset=”utf-8”>**

**<title>** Coursera is…**</title>**

**<link rel=”stylesheet” href=”style.css”>**

**<p style=”text-align: center;>**

**<style>**

**</head>**

**<body>**

Primary content

**</body>**

**<footer>**

**</footer>**

**</html>**

**<!—Html comment format 🡪**

**IMG** tag inline, height, width, alt tag, defining height and width prevents page jumping during loading

.blue { color: blue; } | creates a blue class, applies all css rules to any element whose class is defined as blue, ie: <p class=”blue”> </p>

#IDName { color: blue; } | Sets css rule for for id=”IDName” blocks

Div, .blue { color: blue;} | Sets css rule for both div elements and for class id blue

**p.big { css rules } |** applies to all paragraphs with the big class

article > p { color: blue;} child selector sets rules for all paragraphs directly within article, excludes sub elements

article p { color: blue;} Descendant selector sets rules for all paragraphs within article including all sub elements

can also be used with class identifiers

<div class=”Mainpoint highlight”> | set div class to both mainpoint and highlight

.highlight.mainpoint {css rules} | sets rules for only element ids that are both highlight and mainpoint

Pseudo-class selectors

a:link | css rules for treatment as a link

a:visited | css rules applied after the link has been activated

a:hover | css rules for while mouse is hovering over the object

a:active | css rules for while the mouse button is depressed but not yet released

header li:nth-child(3) | sets css rules for the 3rd item of list header

CSS Conflict resolution

Origin precedence rule: Last declaration wins, top down left to right is precedence order

Merge: allows an element to have different attributes defined in different places

Inheritance: all descendants inherit property

Specificity: Most specific selector combination gets applied

Style > ID > Class > # of Elements

!important nuclear option to increase rank

Styles

Font-family: “Times New Roman”, Times, serif;

Descending order of options if that font set is absent

Color: #hexdecimal value

Font-weight: bold level

Font-size: 24px; standard is 16, can also be defined as % of whatever the users default is

: 2em;” sets relative to base, defined as doubling the size of m in the alphabet

: .5em;” works the same to decrease

Box model margin : border : padding : content

// is comment format

Body { Margin: 0; Padding 0: } // sets margin to baseline, overriding clients default settings

Padding: top right bottom leftpx

Border: px solid black;

Box-sizing: border-box; // allows you to define whether width is defined by content or border, strongly recommends always setting to border-box

\* { box-sizing: border-box;} //applies it global, can use with margin definitions

Tob bottom border is the setting of the larger margin, side margins are cumulative

Overflow: auto; //generates a scroll bar for the box, setting determines how overflow is displayed

#bg { background-image: url (“local.png”) | needs to be a file located relative to the url

Floating element margins never collapse

Floating elements are outside of normal document flow

Clear: left; //

Floats are at top of restraining element

@media is an if then statement for device specific targeting

Min and max width px is commonly usede to target devices

@media (min-width: 768) and (max-width: 991px) {CSS code}

Bootstrap grid system basics

<div class=”container”> // or class=”container-fluid”, fluid containers fill the screen

Grid system must be in a container class

.row // defaults to make edge of columns line up with the screen

Col-medium-4 // col-SIZE-SPAN sets predetermined column sizing based on screen size